## **PCT**

## REQUEST

The undersigned requests that the present

For re	eceiving Office use only
International Application	No.
International Filing Date	
Name of receiving Office	and "PCT International Application"

international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"		
	Applicant's or agent's		
Box No. I TITLE OF INVENTION NASAL DRUG DELIVERY			
	n is also inventor		
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of resider		Telephone No.	
Bespak Plc Blackhill Drive, Featherstone Road Wolverton Mill South	•	Facsimile No.  Teleprinter No.	
Milton Keynes Bucks., MK12 5TS		Applicant's registration No. with the Office	
State (that is, country) of nationality:  UK  State (that is, country)  UK		) of residence:	
This person is applicant for the purposes of:  all designated States  all designated the United St	d States except tates of America	the United States of America only the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTI	HER) INVENTOR(S)	are Suppremental Box	
Name and address: (Family name followed by given name; for a legal entitle address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of resident DICKENS, Colin 83 Hazel Crescent Towcester NN12 6UQ	ne address indicated in this ce is indicated below.)	This person is:  applicant only  applicant and inventor inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office	
State (that is, country) of nationality: UK	State (that is, country) UK	of residence:	
the United St	ates of America	the United States of America only the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated or	n a continuation sheet.		
Box No. IV AGENT OR COMMON REPRESENTATIVE;		CORRESPONDENCE	
The person identified below is hereby/has been appointed to act or of the applicant(s) before the competent International Authorities a	as:	agent common representative	
Name and address: (Family name followed by given name; for a legal entiry The address must include postal code and name of co HECTOR, Annabel Mary	y, full official designation. nuntry.)	Telephone No. +44 20 7353 4343	
D Young & Co		Facsimile No. +44 20 7353 7777	
21 New Fetter Lane London		Teleprinter No. 477667 YOUNGS G	
EC4A 1DA ENGLAND		Agent's registration No. with the Office	
Address for correspondence: Mark this check-box where n space above is used instead to indicate a special address to w	o agent or common repr hich correspondence sho	esentative is/has been appointed and the ould be sent.	

Sheet	No	2

Box is the applicant's State	imily name followed by given name	· for a local	t be included in		This person is:
ASGHARIAN, I	(multis, country) of residence if no.	State of resident	ce is indicated belo	ed in this ow.)	applicant only
118 Disraeli Dr	ive .				
Cary, NC 2751	3				applicant and inventor
					inventor only (If this check-box is marked, do not fill in below.)
State (that					Applicant's registration No. with the Offic
State (that is, country) of USA	f nationality:		State (that is, o	country)	of residence:
This person is applicant for the purposes of:	all designated	all designated	USA		
Name and address of	States	all designated the United Stat	es of America	1251 0	he United States of America only the States indicated the Supplemental Bo
Box is the applicant's State (	illy name followed by given name; fo stal code and name of country. The that is, country) of residence if no Su	e country of the	, full official design address indicated	nation. in this	This person is:
KIMBELL, Julia :		uic oj residence	is indicated below.	<i>y</i>	applicant only
106 Michael's W	av				applicant and inventor
Chapel Hill, NC 2	27516				inventor only (If this about t
	•				is marked, do not fill in below.)
State (that is, country) of t	notion di			A	pplicant's registration No. with the Office
USA	auonanty:		State (that is, co.	untry) o	f residence:
This person is applicant for the purposes of:	all designated all the	Il designated States e United States	ates excent	the of	United States the States indicated in
Name and address: (Family					America only the States indicated in the Supplemental Box
Box is the applicant's See (1)	al code and name of country The c	a legal entity, fi	ull official designat	tion T	nie normania
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PRICE, Owen Th 103 Penny Ln	at is, country) of residence if no State	country of the ad e of residence is	ldress indicated in indicated below.)	this	applicant only
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PRICE, Owen Th 103 Penny Ln Cary, NC 27511	an is, country) of residence if no State	e of residence is	indicated below.)	Ap	applicant only  applicant and inventor inventor only (If this check-box is marked, do not fill in below.)  plicant's registration No. with the Office
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## Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which
  a special continuation box is provided, the space is insufficient
  to furnish all the information: in such case, write "Continuation
  of Box No...." (indicate the number of the Box) and furnish the
  information in the same manner as required according to the
  captions of the Box in which the space was insufficient, in
  particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

Continuation of Box No. IV.

PILCH, Adam John Michael; CRISP, David Norman; ROBINSON, Nigel Alexander Julian; HARRIS, Ian Richard; HARDING, Charles Thomas; TURNER, James Arthur; MALLALIEU, Catherine Louise; PRATT, Richard Wilson; MASCHIO, Antonio: HORNER, David Richard: NACHSHEN, Neil Jacob: PRICE, Paul Anthony King; POTTER, Julian Mark; HAINES, Miles John; DEVILE, Jonathan Mark; COTTER, Ivan John; TANNER, James Percival; KHOO, Chong-Yee; HOLLIDAY, Louise Caroline; ALCOCK, David; MILLS, Julia; GALLAGHER, Kirk James; WILLIAMS, Aylsa; GODDARD, Frances Anna; MCGOWAN, Cathrine; DAVIES, Simon Robert; FURLONG, Isla Jane: CLYDE-WATSON, Zöe; MELDRUM, David James: ILLINGWORTH-LAW, William; BRADLEY, Josephine Mary; FENNELL, Gareth Charles; SOAMES, Candida Jane; LEPPARD, Andrew John; RICHARDS, William John

all of D YOUNG & CO, 21 New Fetter Lane, London, EC4A 1DA, England

Sheet No.	4

However,  DE Germany is not designated for any kind of national protection  KR Republic of Korea is not designated for any kind of national protection  RU Russian Federation is not designated for any kind of national protection					
However,  DE Germany is not designated for any kind of national protection  KR Republic of Korea is not designated for any kind of national protection  RU Russian Federation is not designated for any kind of national protection	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents				
KR Republic of Korea is not designated for any kind of national protection  RU Russian Federation is not designated for any kind of national protection					
RU Russian Federation is not designated for any kind of national protection					
l					
(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)					
Box No. VI PRIORITY CLAIM					
The priority of the following earlier application(s) is hereby claimed:					
Filing date Number Where cording and in the state of the					
of earlier application (day/month/year)  Number  Where earlier application is:  national application: regional application.* international application.					
(day/month/year)   country or Member   regional application: * international a regional Office   receiving	pplication: Office				
item (1) 17-Apr-2003 0308986.9 UK					
item (2)					
item (3)					
Further priority claims are indicated in the Supplemental Box.					
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) above as:	(s) (only if identified				
all items item (1) item (2) item (3) other, see Supplemental	. D				
* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Proceedings Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b))	i				
Box No. VII INTERNATIONAL SEARCHING AUTHORITY					
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):  ISA / EPO					
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):					
Date (day/month/year) Number Country (or regional Office)					
	Box No. VIII DECLARATIONS				
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Box No. VIII DECLARATIONS  The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number check-boxes below and indicate in the right column the right of the property of	1				
Box No. VIII DECLARATIONS  The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable.	1				
Box No. VIII DECLARATIONS  The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):  Number of each type of declaration):	1				
Box No. VIII DECLARATIONS  The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):  Box No. VIII (i) Declaration as to the identity of the inventor  Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing	1				
Box No. VIII DECLARATIONS  The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):  Box No. VIII (i)  Declaration as to the identity of the inventor  Box No. VIII (ii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent  Box No. VIII (iii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	1				

	. Sheet No 5		
Box No. IX CHECK LIST; LANGUAGE (	OF FILING	_	
This international application contains:  (a) in paper form, the following number of sheets:  request (including declaration sheets) : 5  description (excluding sequence listing and/or tables related thereto) : 14  claims : 4  abstract : 1  drawings : 4  Sub-total number of sheets : 28  sequence listing : 1  tables related thereto : (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)  Total number of sheets : 28  (b) only in computer readable form (Section 801(a)(i))  (i) sequence listing  (ii) tables related thereto  (c) also in computer readable form (Section 801(a)(ii))  (i) sequence listing  (ii) tables related thereto  Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the sequence listing: 1  tables related thereto: (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):  1.  fee calculation sheet  2.  original separate power of attorney  3.  original general power of attorney; reference number, if any:  5.  statement explaining lack of signature  6.  priority document(s) identified in Box No. VI as item(s):  7.  translation of international application into (language):  8.  separate indications concerning deposited microorgan or other biological material  9.  sequence listing in computer readable form (indicate type and number of carriers)  (i)  copy submitted for the purposes of international services Rule 13ter only (and not as part of the international (iii)  (only where check-box (b)(i) or (c)(i) is marked in left additional copies including, where applicable, the purposes of international search under Rule 13ter  (iii)  together with relevant statement as to the identity of copies with the sequence listing mentioned in left copy submitted for the purposes of international search under Rule 13ter  10.  copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the inapplication)  (ii)  (only where check-box (b)(ii) or (c)(ii) is marked in left additional copies including, where applicable, the application)  (iii)  (only where check-box (b)(iii) or (c)(iii) is marked in left additional copies including, where applicable, the application)  (iii)  (only where check-box (b)(iii) or (c)(iiii) is marked in left column together with relevant statement as to the identity of copies with the tables mentioned in left column to the copies with the tables mentioned in left column to the copies with the tables mentioned in left column to the copies with the tables mentioned in left column to the copies with the tables mentioned in left column to the copies with the tables mentioned in left column to the copies with the tables mentioned in left column to the copies with the ta	of items  : 1 : : : : : : : : : : : : : : : : :	
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English		
Box No. X SIGNATURE OF APPLICAN' Next to each signature, indicate the name of the person sig HECTOR, Annabel Mary	F, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity is not obvious	from reading the request).	
	— For receiving Office use only		
Date of actual receipt of the purported international application:     Corrected date of actual receipt due to later the timely received papers or drawings completing the purported international application:     Date of timely receipt of the required corrections under PCT Article 11(2):     International Searching Authority (if two or more are competent): ISA /	out	2. Drawings:  received:  not received:	
Date of receipt of the record copy by the International Bureau:			

This sheet is not part of and does not count as a sheet of the international application.

]	PCT	For receiving Office use	only ———
	CULATION SHEET to the Request	International Application No.	
Applicant's or agent's file reference	P016120WO - ABH	Date stamp of the receiving Office	
Applicant			
CALCULATION OF PRES	CRIBED FEES		
1. TRANSMITTAL FEE .		UK£ 55.00 T	
	carried out by EPO onal Searching Authorities are compete icate the name of the Authority which is		
3. INTERNATIONAL FILI	NG FEE		
Where items (b) and/or (c Where items (b) and (c) o	) of Box No. IX apply, enter Sub-total n f Box No. IX do not apply, enter Total n	umber of sheets	
il first 30 sheets		JK£ 628.00 i1	
number of shee in excess of 30		JK£ 0 i2	
I thereto are filed in c	nt (only if sequence listing and/or tables omputer readable form under Section 80 and on paper, under Section 801(a)(ii)):	D1(a)(i),	
	0   x   UK£   7.00   = L	JK£ 0.00 i3	<del></del>
Add amounts entered at i	1, i2 and i3 and enter total at I	UK£ 628.00 []	
international filing fee.	States are entitled to a reduction of i Where the applicant is (or all applica ttered at I is 25% of the international fil	nts are) so	
4. FEE FOR PRIORITY DO	OCUMENT (if applicable)	UKE 0 P	· · · · · · · · · · · · · · · · · · ·
5. TOTAL FEES PAYABL Add amounts entered at T	E	UK£ 1,761.00 TOTAL	
MODE OF PAYMENT			
authorization to charge deposit account (see belo	ow) postal money order	ash coupons	
cheque	bank draft	revenue stamps other (specify)	) <u>:</u>
	IARGE (OR CREDIT) DEPOSIT ACC on be available at all receiving Offices)	COUNT Receiving Office: RO/ UKPO	0
Authorization to alterna	the total face indicated there.	Deposit Account No.:	46
	the total fees indicated above.  narked only if the conditions for deposit acc	Date: 8 April 2004	
of the receiving Office so or credit any overpayme	permit) Authorization to charge any defici nt in the total fees indicated above.		
Authorization to charge	the fee for priority document.	C:	